



Storm Spotter Training

National Weather Service Milwaukee/Sullivan, WI

www.weather.gov/milwaukee

www.facebook.com/US.NationalWeatherService.Milwaukee.gov



twitter.com/NWSMKX



Main Objectives



What do you report?

How do you report it?





Why Do We Need Spotters?

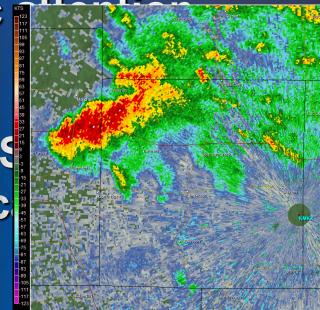


- You help
 - Radars
 - Report

cisions!









What Do You Report?



When = Time
Where = Location
What = Condition

(i.e. what type of event? Wind, Rain, Fog, Hail, Flood, Tornado)

Hail

Report any size!

Hailstones ≥ 1 inch generate

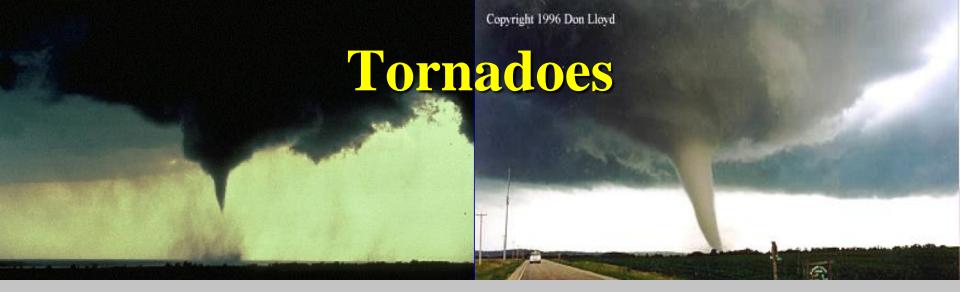
Severe Thunderstorm Warnings

Use a coin or ball as a reference size How long did the hail last?

30 seconds? 5 minutes?

Hailstone Size	Measurement
Pea	1/4"
Marble	1/2"
Dime	7/10"
Penny	3/4"
Nickel	7/8"
Quarter	1"
Half dollar	1 1/4"
Golf ball	1 3/4"





Violently rotating column of air extending from base of convective cloud to the ground

Look for rotating dirt/debris at ground level to confirm a tornado!



What direction is tornado moving? Estimate its location.

Tornadoes do not touch down, they spin up below cloud base Not all tornadoes have condensation funnels touching ground



Low-hanging cloud at rain-free base of thunderstorm (back side) Slow, persistent rotation



Can precede a tornado, usually ½ to 3 miles wide Changes shape, size and color with time



Do not come in contact with the ground or create debris!

They are always rotating!



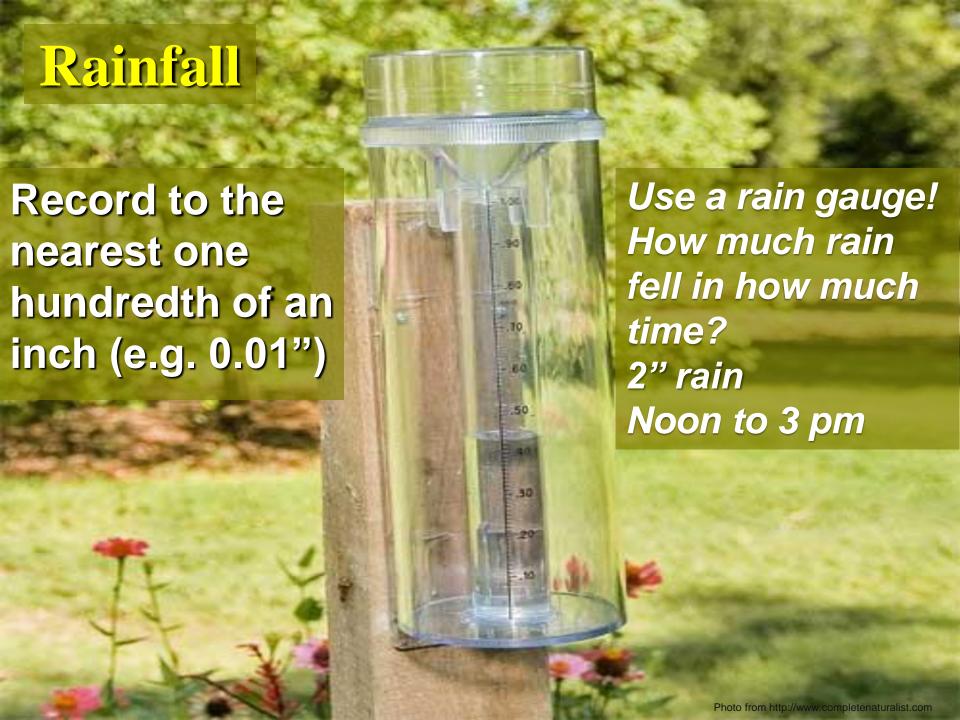
Caution: Scud clouds often resemble funnel clouds. Moving, but without persistent rotation! Often found within rotating wall clouds.

Flooding

Flash Flood = Flooding occurs in less than 6 hours. Heavy Rainfall = 1+ inch/hour.







Snowfall

Report to the nearest tenth of an inch (e.g. 1.2")

Measure in different locations and find the average

Snow depth = total amount of snow on ground

New snowfall = amount since snow began to fall.

The NWS measures every 6 hours





Sleet = small ice pellets
Record sleet the same way as snowfall (e.g. 0.1")

FOG

Wisconsin's Deadliest Crash

7:21 AM, 11 Oct 2002 I-43 Southbound Sheboygan County (near Ozaukee Co line)

50 Vehicles damaged/destroyed

10 people died

39 injured

Fog reduced visibility

Waterspouts

Rotating column of air extending from cloud base to water surface.

Always over water! If it moves onshore, becomes a tornado!

Most are much weaker than tornadoes

Report the direction it is moving

East of Kenosha

Photo credit: Officer Michael Madsen of the Kenosha Police Department

September 12, 2013



How Do You Report To Us?





facebook.

Pictures are always welcome!

Remember, safety first! Make sure you are safe before reporting!







One Stop Access!





Radar

National Weather Service Weather Forecast Office

Milwaukee/Sullivan, WI

Local forecast b. "City, St" or Zip Code

XML RSS Feeds

Current Hazards Watches/Warnings

Submit Report

Observations Radar

Snow Cover Snowfall Analysis

Precip Analysis Social Dashboard

Current Conditions

City, St

Outlooks

Satellite

weather.gov



Go to: weather.gov/mkx

Click: Submit Report

NWS All NOAA Go

weather.gov

Choose which way you'd like to send your report to us!

Milwaukee/Sullivan, WI

MKE SkyWarn Spotter Page

Search for:

Submit Storm Reports

Site Map

Your options:

- Use Twitter. We can be reached at "@NWSMKX"
- Post it on our Facebook page: http://www.facebook.com/US.NationalWeatherService.Milwaukee.gov
- Via our office Form Submission page: Severe Weather Report Form
- Send us an email with your report: w-mkx.webmaster@noaa.gov

Organization

Be sure to give us the TLC: Time/Location/Condition details in your report.

Tweet us @NWSMKX

https://twitter.com/NWSMKX

Can use #swiwx (Southern Wisconsin Weather)

Make sure you include: Weather (what), location (where), and time (when)

Have confidence in your report! Unsure? Don't report!

Pictures are always welcome!





per hr w/in this swath. Any reports to share SE WI? #SWIWX ow.ly

/i/3XCxp



More About twitter





- Take your Twitter report to the next level using:
 - #wxreport and #swiwx
 - Turn on geo-tagging through a 3rd party Twitter application and for your account.
 - If you do not have geo-tagging, submit your location:
 - Your county, city and street intersection
 - OR Your location from the nearest town & county (i.e. 3 SE Sullivan, Jefferson County)
 - Lat/lon in degrees and decimal degrees





Example Tweets



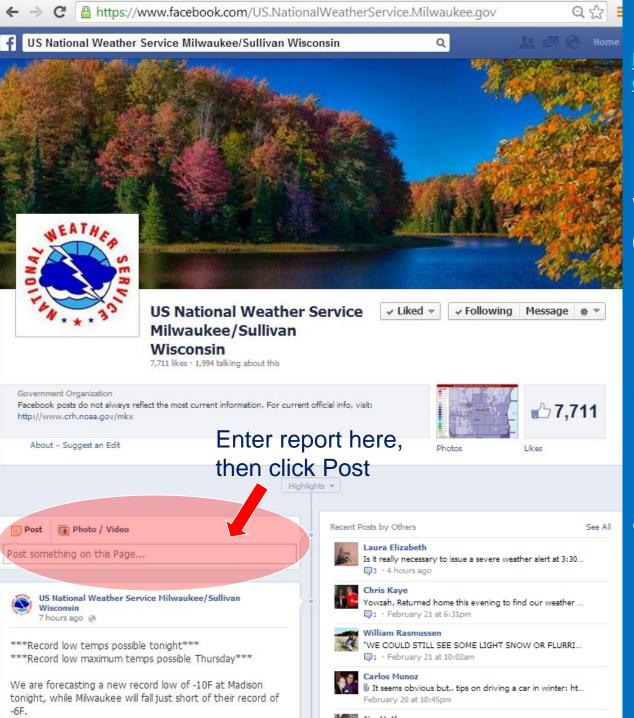
Severe Weather:

@nwsmkx 714PM Brookfield Waukesha cnty 1" Hail #swiwx

@nwsmkx 820PM 2NW Wales Waukesha cnty TORNADO movg E #swiwx

@nwsmkx 910PM Madison Dane cnty M65mph wind gust #swiwx

@nwsmkx 1035 PM Jefferson Heavy rain, M1.50 in 1 hr #swiwx



Post on our page:

https://www.facebook.com/US.NationalWeatherService.Milwaukee.gov

Include:

Weather (what), location (where), and time (when)

Have confidence in your report!
Unsure? Don't report!

Pictures are always welcome!





Other Ways To Report



E-mail: <u>w-mkx.webmaster@noaa.gov</u>

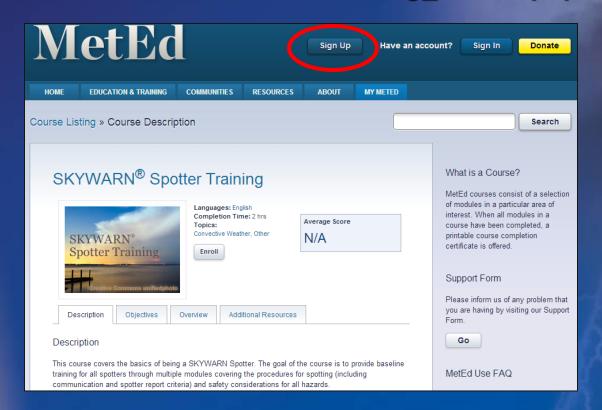
- Dial 911 to contact law enforcement
- They can relay your report to us
 - (Use only for tornadoes, flash flooding, major wind damage)



Want To Learn More?



- MetEd Website SKYWARN ® Spotter Training
 - https://www.meted.ucar.edu/training_course.php?id=23



- Weather Spotter's Field Guide:
 - http://www.nws.noaa.gov/om/brochures/SGJune6-11.pdf



The End



Questions?

